

08/09/2029

-13-

Abstract of the Disclosure

Solenoid Stator Assembly

5 The present solenoid stator assembly is
adapted to be mounted upon a mounting seat of a fuel
injector valve. The assembly includes a housing
having an upper end, a lower end, and a base adapted
to fit on the mounting seat of the fuel injector
10 valve. A substantially E-shaped stator core is
disposed within the housing. The stator core includes
a top portion having a first end and a second end. A
first outer pole piece depends substantially
perpendicularly from the first end, and a second outer
15 pole piece depends substantially perpendicularly from
the second end. The central pole piece is located
substantially central to the first and second outer
pole pieces, and depends substantially perpendicularly
from the top portion in a direction substantially
20 parallel to that of the first and second outer pole
pieces. The first and second outer pole pieces and
the central pole piece each have a distal end forming
a face, each face being substantially flush with the
base of the housing. A reinforcement band is disposed
25 about the lower end of the housing, and reinforces the
housing against expanding cavity pressure developed
within the assembly by fuel pressure from within the
fuel injector valve.

30

~~s:\mid\app\97-434us.doc~~